

DDDDDDDDDDDDDD  
DDDDDDDDDDDDDD  
DDDDDDDDDDDDDD  
DDD      DDD      CCC      CCCCCCCCCCCCCC      LLL  
DDDDDDDDDDDDDD  
DDDDDDDDDDDDDD  
DDDDDDDDDDDDDD

\*\*FILE\*\*ID\*\*DCXSTART

J 12

DDDDDDDD CCCCCCCC XX XX SSSSSSSS TTTTTTTT AAAA AAAAAA RRRRRRRR TTTTTTTT  
DDDDDDDD CCCCCCCC XX XX SSSSSSSS TTTTTTTT AAAA AAAAAA RRRRRRRR TTTTTTTT  
DD DD CC XX XX SS TT AA AA RR RR  
DD DD CC XX XX SS TT AA AA RR RR  
DD DD CC XX XX SS TT AA AA RR RR  
DD DD CC XX XX SS TT AA AA RR RR  
DD DD CC XX XX SSSSSS TT AA AA RRRRRRRR TTTTTTTT  
DD DD CC XX XX SSSSSS TT AA AA RRRRRRRR TTTTTTTT  
DD DD CC XX XX SS TT AAAA AAAA RR RR  
DD DD CC XX XX SS TT AAAA AAAA RR RR  
DD DD CC XX XX SS TT AA AA RR RR  
DD DD CC XX XX SS TT AA AA RR RR  
DDDDDDDD CCCCCCCC XX XX SSSSSSSS TT AA AA RR RR  
DDDDDDDD CCCCCCCC XX XX SSSSSSSS TT AA AA RR RR

The grid contains the following symbols:

- Row 1: L, L, L, L, L, L, L, L, L, L
- Row 2: L, I, I, I, I, I, I, I, I, S
- Row 3: L, I, I, I, I, I, I, I, I, S
- Row 4: L, I, I, I, I, I, I, I, I, S
- Row 5: L, I, I, I, I, I, I, I, I, S
- Row 6: L, I, I, I, I, I, I, I, I, S
- Row 7: L, I, I, I, I, I, I, I, I, S
- Row 8: L, I, I, I, I, I, I, I, I, S
- Row 9: L, I, I, I, I, I, I, I, I, S
- Row 10: L, I, I, I, I, I, I, I, I, S

DCXSTART  
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- DCL DEBUG VERSION START MODULE <sup>K 12</sup> 16-SEP-1984 00:24:15 VAX/VMS Macro V04-00

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(2) 57 DEBUGGER START UP

0000 1 :TITLE DCXSTART - DCL DEBUG VERSION START MODULE  
0000 2 :IDENT 'V04-000'  
0000 3 \*\*\*\*\*  
0000 4 \*  
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0000 24 \*  
0000 25 \*  
0000 26 \*  
0000 27 \*  
0000 28 \* COMMAND LANGUAGE INTERPRETER DEBUGGER INITIALIZATION  
0000 29 \*  
0000 30 \* TIM HALVORSEN, 24-JAN-1980  
0000 31 \*  
0000 32 \* MODIFIED BY:  
0000 33 \*  
0000 34 \* V005 TMH0005 Tim Halvorsen 09-Aug-1981  
0000 35 \* Exit from process if any debugger initialization problems.  
0000 36 \*  
0000 37 \* V004 TMH0004 Tim Halvorsen 04-Apr-1981  
0000 38 \* Use new LOGIN-CLI protocol.  
0000 39 \*  
0000 40 \* V003 TMH0003 Tim Halvorsen 28-Mar-1981  
0000 41 \* Skip the debugger entry point if not interactive.  
0000 42 \*  
0000 43 \* V002 TMH0002 Tim Halvorsen 23-Feb-1981  
0000 44 \* Remove STEP-OVER DELTA string  
0000 45 \*  
0000 46 \* 001 TMH0001 T. Halvorsen 09-Jul-1980  
0000 47 \* Call normal initialization AFTER it resets SP/FP.  
0000 48 \*---  
0000 49 \*  
0000 50 \*  
0000 51 \* MACRO LIBRARY CALLS  
0000 52 \*  
0000 53 \*  
0000 54 \* SPPDDEF  
0000 55 \* SPSLDEF :PROCESS PERMANENT DATA AREA  
                  :DEFINE PROCESSOR STATUS FIELDS

0000 57 .SBTTL DEBUGGER START UP  
0000 58 ;+  
0000 59 ; START-UP WITH DEBUGGER  
0000 60 ;  
0000 61 ; THIS ENTRY POINT IS JUMPED TO AT THE CONCLUSION OF LOGGING A USER ONTO  
0000 62 ; THE SYSTEM. ALL INPUT AND OUTPUT FILES ARE OPEN AND THE PROCESS PERMANENT  
0000 63 ; DATA AREA (PPD) HAS BEEN INITIALIZED.  
0000 64 ;-  
0000 65  
00C00000 66 .PSECT DCL\$SBASE,BYTE,RD,NOWRT  
0000 67  
0000 68 BASE\_OF\_CLI:  
03 00000002'GF 01 E1 0000 69 BBC #PPD\$V MODE,G^CTL\$AG\_CLIDATA+PPDSW\_FLAGS,10\$ ;BR IF NOT BATCH  
FFF7' 31 0008 70 BRW DCL\$STARTUP+2 ; IF BATCH, SKIP DEBUGGER ENTRY POINT  
5E 00000008'GF DD 000B 71 10\$: MOVL G^CTL\$AL\_STACK+8,SP ; RESET SUPERVISOR MODE STACK POINTER  
00 DD 0012 72 PUSHL #0 ; ALLOCATE SPACE FOR XFER VECTOR ADDR  
18'AF 01 FB 0014 73 CALLS #1,B^20\$ ; MAKE DUMMY CALL FRAME (HANDLER=0)  
0000 0018 74 20\$: WORD 0  
50 00000000'EF 9E 001A 75 MOVAB XFER ARRAY,R0 ; GET ADDRESS OF TRANSFER VECTOR  
04 A0 0000'CF 9E 0021 76 MOVAB W^DCL\$STARTUP,4(R0) ; SET SECOND TRANSFER ADDR TO HERE  
04 AC 50 DD 0027 77 MOVL R0,4(AP) ; SET TRANSFER ARRAY FOR DEBUGGER  
5B D2 AF 9E 002B 78 MOVAB BASE\_OF CLI,R11 ; R11 = BASE OF CLI FOR DEBUGGING  
00000000'GF 6C FA 002F 79 CALLG (AP),G^RDT\$START ; CALL DEBUGGER INITIALIZATION  
0036 80 SEXIT\_S ; EXIT IF ANY DEBUG INIT PROBLEMS  
003F 81  
00000000 82 .PSECT DCL\$DEBUG,WRT  
0000 83 XFER\_ARRAY:  
00000000 0000 84 .LONG 0 ; PRIMARY TRANSFER (NOT USED)  
00000000 0004 85 .LONG 0 ; SECONDARY = DCL INITIALIZATION  
0008 86  
0008 87 .END

DCXSTART  
Symbol table

## - DCL DEBUG VERSION START MODULE N 12

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4-SEP-1984 23:40:12 [DCL.SRC]DCXSTART.MAR;1Page 3  
(2)

BASE_OF_CLI	00000000	R	02
CTL\$AG_CLIDATA	*****	X	02
CTL\$AL_STACK	*****	X	02
DCL\$STARTUP	*****	X	02
PPDSB_NPROCS	0000001C		
PPDSC_LENGTH	00000168		
PPDSK_LENGTH	00000168		
PPDSL_INPDEV	00000044		
PPDSL_LGI	00000014		
PPDSL_LSTSTATUS	00000018		
PPDSL_OUTDEV	00000064		
PPDSL_PRC	00000008		
PPDSQ_CLIREG	00000004		
PPDSQ_CLISYMTBL	0000000C		
PPDST_FILENAME	00000068		
PPDST_INPDVI	00000028		
PPDST_OUTDVI	00000048		
PPDSV_MODE	= 00000001		
PPDSW_FLAGS	00000002		
PPDSW_INPCHAN	0000001E		
PPDSW_INPDID	0000003E		
PPDSW_INPFID	00000038		
PPDSW_INPIFI	00000020		
PPDSW_INPISI	00000022		
PPDSW_OUTDID	0000005E		
PPDSW_OUTFID	00000058		
PPDSW_OUTIFI	00000024		
PPDSW_OUTISI	00000026		
PPDSW_SIZE	00000000		
SYSEXIT	*****	GX	02
XDT\$START	*****	X	02
XFER_ARRAY	00000000	R	03

## ! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
ABS .	00000000 ( 0.)	00 ( 0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	00000168 ( 360.)	01 ( 1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
DCL\$SBASE	0000003F ( 63.)	02 ( 2.)	NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE
DCL\$DEBUG	00000008 ( 8.)	03 ( 3.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE

## ! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	9	00:00:00.03	00:00:01.56
Command processing	90	00:00:00.66	00:00:06.27
Pass 1	105	00:00:01.55	00:00:08.87
Symbol table sort	0	00:00:00.08	00:00:00.25
Pass 2	23	00:00:00.33	00:00:02.31
Symbol table output	3	00:00:00.03	00:00:00.03
Psect synopsis output	1	00:00:00.03	00:00:00.04

DCXSTART  
VAX-11 Macro Run Statistics

- DCL DEBUG VERSION START MODULE

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16-SEP-1984 00:24:15 VAX/VMS Macro V04-00  
4-SEP-1984 23:40:12 [DCL.SRC]DCXSTART.MAR;1

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(2)

Cross-reference output 0 00:00:00.00 00:00:00.00  
Assembler run totals 231 00:00:02.72 00:00:19.33

The working set limit was 900 pages.  
5976 bytes (12 pages) of virtual memory were used to buffer the intermediate code.  
There were 10 pages of symbol table space allocated to hold 94 non-local and 2 local symbols.  
87 source lines were read in Pass 1, producing 15 object records in Pass 2.  
10 pages of virtual memory were used to define 9 macros.

+-----+  
! Macro library statistics !  
+-----+

Macro library name

-----  
\$255\$DUA28:[SYSLIB]SYSBLDMLB.MLB;1  
\$255\$DUA28:[DCL.OBJ]DCL.MLB;1  
\$255\$DUA28:[SYS.OBJ]LIB.MLB;1  
\$255\$DUA28:[SYSLIB]STARLET.MLB;2  
TOTALS (all libraries)

Macros defined

-----  
0  
1  
0  
5  
6

161 GETS were required to define 6 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LISS:DCXSTART/OBJ=OBJ\$.DCXSTART MSRC\$:DCXSTART/UPDATE=(ENH\$:DCXSTART)+EXECMLS/LIB+LIBS:DCL/LIB+SYSS\$LIBRARY:SYSBLDMLB/LIB

0069 AH-BT13A-SE  
VAX/VMS V4.0

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